

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known Application Number: 10/735,093 Filing Date: December 12, 2003 First Named Inventor: Franklin E. Boyer Art Unit: 2424 Examiner Name: F. E. Hossain Attorney Docket Number: UW/015 CON 3	
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U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)	MM-DD-YYYY		
	AA	US-2002/0059599	05-16-2002	Schein et al.	
	AB	US-2002/0138840	09-26-2002	Schein et al.	
	AC	US-2003/0163813	08-28-2003	Klosterman et al.	
	AD	US-2003/0164858	09-04-2003	Klosterman et al.	
	AE	US-2003/0188310	10-02-2003	Klosterman et al.	
	AF	US-2003/0188311	10-02-2003	Yuen et al.	
	AG	US-2003/0196201	10-16-2003	Schein et al.	
	AH	US-2003/0208756	11-06-2003	Macrae et al.	
	AI	US-2003/0208758	11-06-2003	Schein et al.	
	AJ	US-2004/0139465	07-15-2004	Matthews et al.	
	AK	US-2004/0210935	10-21-2004	Schein et al.	
	AL	US-2004/0221310	11-04-2004	Herrington et al.	
	AM	US-2005/0015815	01-20-2005	Shoff et al.	
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	AO	US-2005/0229215	10-13-2005	Schein et al.	
	AP	US-2005/0278741	12-15-2005	Robarts et al.	
	AQ	US-2006/0037044	02-16-2006	Daniels	
	AR	US-2007/0271582	11-22-2007	Ellis et al.	
	AS	US-2008/0178221	07-24-2008	Schein et al.	

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	BA	CN-1567986	01-19-2005	Starsight Telecast Inc	
	BB	DE-19531121	02-27-1997	Boström	
	BC	DE-19740079	03-18-1999	Ciburski et al.	
	BD	DE-3640436	06-09-1988	Siemens AG	
	BE	DE-4201031	07-15-1993	Issing et al.	
	BF	DE-4217246	12-02-1993	Grundig E.M.V.	

Examiner Signature	Date Considered	
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Substitute for form 1449/PTO <h2 style="text-align: center; margin: 10px 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin: 10px 0;"><i>(Use as many sheets as necessary)</i></p>		Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Application Number</td> <td>10/735,093</td> </tr> <tr> <td>Filing Date</td> <td>December 12, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Franklin E. Boyer</td> </tr> <tr> <td>Art Unit</td> <td>2424</td> </tr> <tr> <td>Examiner Name</td> <td>F. E. Hossain</td> </tr> <tr> <td>Attorney Docket Number</td> <td>UW/015 CON 3</td> </tr> </table>		Application Number	10/735,093	Filing Date	December 12, 2003	First Named Inventor	Franklin E. Boyer	Art Unit	2424	Examiner Name	F. E. Hossain	Attorney Docket Number	UW/015 CON 3
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	AT	US-2008/0184308 A1	07-31-2008	Herrington et al.	
	AU	US-2008/0184312 A1	07-31-2008	Schein et al.	
	AV	US-2008/0288980 A1	11-20-2008	Schein et al.	
	AW	US-2009/0070817 A1	03-12-2009	Ellis et al.	
	AX	US-4,024,401	05-17-1977	Bernstein et al.	
	AY	US-4,081,753	03-28-1978	Miller	
	AZ	US-4,170,782	10-09-1979	Miller	
	AA1	US-4,271,532	06-02-1981	Wine	
	AB1	US-4,280,148	07-21-1981	Saxena	
	AC1	US-4,367,559	01-04-1983	Tuits	
	AD1	US-4,375,651	03-01-1983	Tomplin et al.	
	AE1	US-4,381,522	04-26-1983	Lambert	
	AF1	US-4,390,901	06-28-1983	Keiser et al.	
	AG1	US-4,425,579	01-10-1984	Merrell	
	AH1	US-4,429,385	01-31-1984	Cichelli et al.	
	AI1	US-4,495,654	01-22-1985	Deiss	
	AJ1	US-4,527,194	07-02-1985	Sirazi	
	AK1	US-4,641,205	02-03-1987	Beyers, Jr.	
	AL1	US-4,689,022	08-25-1987	Peers et al.	

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	BG	DE-4240187	06-01-1994	Siemens AG	
	BH	DE-4440419	05-09-1996	Issing et al.	
	BI	EP-0 721253	07-10-1996	Sony Electronics Inc.	
	BJ	EP-0 742669	11-13-1996	Matsushita Electric Industrial Co., Ltd.	
	BK	EP-0 774866	05-21-1997	Thomson Consumer Electronics	
	BL	EP-0 805594	11-05-1997	Sony Corporation	

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	AM1	US-4,691,351	09-01-1987	Hayashi et al.	
	AN1	US-4,751,578	06-14-1988	Reiter et al.	
	AO1	US-4,754,326	06-28-1988	Kram et al.	
	AP1	US-4,787,063	11-22-1988	Muguet et al.	
	AQ1	US-4,882,732	11-21-1989	Kaminaga et al.	
	AR1	US-4,908,713	03-13-1990	Levine	
	AS1	US-4,959,719	09-25-1990	Strubbe et al.	
	AT1	US-4,963,994	10-16-1990	Levine	
	AU1	US-5,036,314	07-30-1991	Barillari et al.	
	AV1	US-5,039,211	08-06-1991	Hallenbeck	
	AW1	US-5,047,867	09-10-1991	Strubbe et al.	
	AX1	US-5,075,771	12-24-1991	Hashimoto et al.	
	AY1	US-5,126,851	06-30-1992	Yoshimura et al.	
	AZ1	US-5,155,591	10-13-1992	Wachob	
	AA2	US-5,170,388	12-08-1992	Endoh et al.	
	AB2	US-5,179,439	01-12-1993	Hashimoto et al.	
	AC2	US-5,189,630	02-23-1993	Barstow et al.	
	AD2	US-5,195,134	03-16-1993	Inoue et al.	
	AE2	US-5,210,611	05-11-1993	Yee et al.	

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	BM	EP-0 854645	07-22-1998	Texas Instruments Inc.	
	BN	GB-1554411	10-17-1979	Communications Patents Ltd.	
	BO	JP-04227380	08-17-1992	Hitachi Ltd	
	BP	JP-06021907	01-28-1994	Niyuimedia Corp	
	BQ	JP-06392177	04-22-1988	Kinoshita Akiyoshi	
	BR	JP-07123326	05-12-1995	Sony Corp	

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	AF2	US-5,223,924	06-29-1993	Strubbe	
	AG2	US-5,231,494	07-27-1993	Wachob	
	AH2	US-5,233,423	08-03-1993	Jernigan et al.	
	AI2	US-5,253,066	10-12-1993	Vogel	
	AJ2	US-5,317,403	05-31-1994	Keenan	
	AK2	US-5,323,240	06-21-1994	Amano et al.	
	AL2	US-5,335,277	08-02-1994	Harvey et al.	
	AM2	US-5,347,632	09-13-1994	Fillepp et al.	
	AN2	US-5,353,121	10-04-1994	Young et al.	
	AO2	US-5,359,367	10-25-1994	Stockill et al.	
	AP2	US-5,396,546	03-07-1995	Remillard	
	AQ2	US-5,410,344	04-25-1995	Graves et al.	
	AR2	US-5,410,367	04-25-1995	Zahavi et al.	
	AS2	US-5,432,561	07-11-1995	Strubbe	
	AT2	US-5,444,499	08-22-1995	Saitoh et al.	
	AU2	US-5,446,919	08-29-1995	Wilkins	
	AV2	US-5,465,113	11-07-1995	Gilboy	
	AW2	US-5,465,385	11-07-1995	Ohga et al.	
	AX2	US-5,469,206	11-21-1995	Strubbe et al.	

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	BS	JP-07147657	06-06-1995	Systec Kk	
	BT	JP-0720254	11-24-1995	Roehm Properties BV	
	BU	JP-08125497	05-17-1996	Nippon Denki Home Electronics	
	BV	JP-08251122	09-27-1996	Sony Corp	
	BW	JP-08275077	10-18-1996	Sony Corp	
	BX	JP-08032538	02-02-1996	Sony Corp.	

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	AY2	US-5,477,262	12-19-1995	Banker et al.	
	AZ2	US-5,479,266	12-26-1995	Young et al.	
	AA3	US-5,481,296	01-02-1996	Cragun et al.	
	AB3	US-5,483,278	01-09-1996	Strubbe et al.	
	AC3	US-5,488,409	01-30-1996	Yuen et al.	
	AD3	US-5,502,504	03-26-1996	Marshall et al.	
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	AF3	US-5,526,034	06-11-1996	Hoarty et al.	
	AG3	US-5,528,304	06-18-1996	Cherrick et al.	
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	AI3	US-5,550,576	08-27-1996	Klosterman	
	AJ3	US-5,559,548	09-24-1996	Davis et al.	
	AK3	US-5,559,549	09-24-1996	Hendricks et al.	
	AL3	US-5,559,550	09-24-1996	Mankovitz	
	AM3	US-5,570,295	10-29-1996	Isenberg et al.	
	AN3	US-5,572,442	11-05-1996	Schulhof et al.	
	AO3	US-5,583,560	12-10-1996	Florin et al.	
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	AQ3	US-5,585,866	12-17-1996	Miller et al.	

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	BY	JP-09102827	04-15-1997	Sony Corp	
	BZ	WO-0004708	01-27-2000	United Video Properties Inc	
	BA1	WO-0005899	02-03-2000	United Video Properties Inc	
	BB1	WO-0028734	05-18-2000	United Video Properties Inc	
	BC1	WO-8601359	02-27-1986	Prutec Ltd	
	BD1	WO-8703766	06-18-1987	Thomas Brandt GmbH	

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	AT3	US-5,594,509	01-14-1997	Florin et al.	
	AU3	US-5,596,373	01-21-1997	White et al.	
	AV3	US-5,600,364	02-04-1997	Hendricks et al.	
	AW3	US-5,606,374	02-25-1997	Bertram	
	AX3	US-5,617,565	04-01-1997	Augenbraun et al.	
	AY3	US-5,619,249	04-08-1997	Billcock et al.	
	AZ3	US-5,621,456	04-15-1997	Florin et al.	
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	AC4	US-5,635,978	06-03-1997	Alten et al.	
	AD4	US-5,635,979	06-03-1997	Kostreski et al.	
	AE4	US-5,635,989	06-03-1997	Rothmuller	
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	AG4	US-5,657,072	08-12-1997	Aristides et al.	
	AH4	US-5,663,757	09-02-1997	Morales	
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	AJ4	US-5,666,645	09-09-1997	Thomas et al.	

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	BE1	WO-8903085	04-06-1989	Fox	
	BF1	WO-9413107	06-09-1994	Discovery Communicat Inc	
	BG1	WO-9414284	06-23-1994	Discovery Communicat Inc	
	BH1	WO-9501056	01-05-1995	Apple Computer	
	BI1	WO-9501059	01-05-1995	Apple Computer	
	BJ1	WO-9510910	04-20-1995	Intel Corp.	

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	AK4	US-5,671,411	09-23-1997	Watts et al.	
	AL4	US-5,675,390	10-07-1997	Schindler et al.	
	AM4	US-5,677,708	10-14-1997	Matthews, III et al.	
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	AP4	US-5,686,954	11-11-1997	Yoshinobu et al.	
	AQ4	US-5,692,214	11-25-1997	Levine	
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	AJ4	US-5,710,601	01-20-1998	Marshall et al.	
	AV4	US-5,710,884	01-20-1998	Dedrick	
	AW4	US-5,717,923	02-10-1998	Dedrick	
	AX4	US-5,722,041	02-24-1998	Freadman	
	AY4	US-5,724,567	03-03-1998	Rose et al.	
	AZ4	US-5,731,844	03-24-1998	Rauch et al.	
	AA5	US-5,734,853	03-31-1998	Hendricks et al.	
	AB5	US-5,734,893	03-31-1998	Li et al.	
	AC5	US-5,752,160	05-12-1998	Dunn	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	† ⁴
		Country Code ³ -Number ² -Kind Code ⁵ (if known)					
	BK1	WO-9519092		07-13-1995	Thomas Consumer Electronics		
	BL1	WO-9526608		10-05-1995	Loewe Opta GmbH et al.		
	BM1	WO-9528055		10-19-1995	Prevue International, Inc.		
	BN1	WO-9532583		11-30-1995	TV Guide On Screen		
	BO1	WO-9532585		11-30-1995	TV Guide On Screen		
	BP1	WO-9532587		11-30-1995	Prevue International, Inc.		

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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/735,093
		Filing Date	December 12, 2003
		First Named Inventor	Franklin E. Boyer
		Art Unit	2424
		Examiner Name	F. E. Hossain
Sheet	8	of	13
		Attorney Docket Number	UW/015 CON 3

U.S. PATENT DOCUMENTS					
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	AD5	US-5,754,939	05-19-1998	Herz et al.	
	AE5	US-5,758,257	05-26-1998	Herz et al.	
	AF5	US-5,758,259	05-26-1998	Lawler	
	AG5	US-5,760,821	06-02-1998	Ellis et al.	
	AH5	US-5,761,372	06-02-1998	Yoshinobu et al.	
	AI5	US-5,774,357	06-30-1998	Hoffberg et al.	
	AJ5	US-5,781,246	07-14-1998	Alten et al.	
	AK5	US-5,790,202	08-04-1998	Kummer et al.	
	AL5	US-5,790,753	08-04-1998	Krishnamoorthy et al.	
	AM5	US-5,793,964	08-11-1998	Rogers et al.	
	AN5	US-5,798,785	08-25-1998	Hendricks et al.	
	AO5	US-5,805,763	09-08-1998	Lawler et al.	
	AP5	US-5,818,441	10-06-1998	Throckmorton et al.	
	AQ5	US-5,822,123	10-13-1998	Davis et al.	
	AR5	US-5,828,420	10-27-1998	Marshall et al.	
	AS5	US-5,848,396	12-08-1998	Gerace	
	AT5	US-5,861,906	01-19-1999	Dunn et al.	
	AU5	US-5,862,292	01-19-1999	Kubota et al.	
	AV5	US-5,867,226	02-02-1999	Wehmeyer et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
	BQ1	WO-9607270	03-07-1996	Yuen et al.	
	BR1	WO-9613013	05-02-1996	Open Market, Inc.	
	BS1	WO-9613932	05-09-1996	Gemstar Dev Corp	
	BT1	WO-9617467	06-06-1996	Herz Frederick et al.	
	BU1	WO-9617473	06-06-1996	Tv Guide On Screen	
	BV1	WO-9634491	10-31-1996	Tv Guide On Screen	

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Sheet	9	of	13	Attorney Docket Number
				UW/015 CON 3

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	AW5	US-5,875,108	02-23-1999	Hoffberg et al.	
	AX5	US-5,889,950	03-30-1999	Kuzma	
	AY5	US-5,903,545	05-11-1999	Sabourin et al.	
	AZ5	US-5,914,746	06-22-1999	Matthews, III et al.	
	AA6	US-5,973,683	10-26-1999	Cragun et al.	
	AB6	US-5,977,964	11-02-1999	Williams et al.	
	AC6	US-5,990,927	11-23-1999	Hendricks et al.	
	AD6	US-6,005,597	12-21-1999	Barrett et al.	
	AE6	US-6,006,257	12-21-1999	Slezak	
	AF6	US-6,008,802	12-28-1999	Iki et al.	
	AG6	US-6,020,883	02-01-2000	Herz et al.	
	AH6	US-6,072,460	06-06-2000	Marshall et al.	
	AI6	US-6,075,526	06-13-2000	Rothmuller	
	AJ6	US-6,081,750	06-27-2000	Hoffberg et al.	
	AK6	US-6,088,722	07-11-2000	Herz et al.	
	AL6	US-6,091,883	07-18-2000	Artigas et al.	
	AM6	US-6,098,065	08-01-2000	Skillen et al.	
	AN6	US-6,104,705	08-15-2000	Ismail et al.	
	AO6	US-6,125,230	09-26-2000	Yaginuma et al.	

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Date	MM-DD-YYYY			
	BW1	WO-9641478		12-19-1996	Tv Guide On Screen		
	BX1	WO-9749242		12-24-1997	Starsight Telecast Inc et al.		
	BY1	WO-9750251		12-31-1997	News America Publications Inc et al.		
	BZ1	WO-9810589		03-12-1998	Starsight Telecast Inc.		
	BA2	WO-9816062		04-16-1998	Chang Allen		
	BB2	WO-9848566		10-29-1998	Gemstar Dev Corp et al.		

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U.S. PATENT DOCUMENTS					
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	AP6	US-6,133,909	10-17-2000	Schein et al.	
	AQ6	US-6,163,316	12-19-2000	Killian	
	AR6	US-6,172,674	01-09-2001	Etheredge	
	AS6	US-6,181,335	01-30-2001	Hendricks et al.	
	AT6	US-6,216,264	04-10-2001	Maze et al.	
	AU6	US-6,331,877	12-18-2001	Bennington et al.	
	AV6	US-6,437,836	08-20-2002	Huang et al.	
	AW6	US-6,505,348	01-07-2003	Knowles et al.	
	AX6	US-6,732,369	05-04-2004	Schein et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	†
	BC2	WO-9901984	01-14-1999	Nds Ltd et al.		
	BD2	WO-9914947	03-25-1999	Prevue International Inc		
	BE2	WO-9930491	06-17-1999	Prevue International Inc.		
	BF2	WO-9945701	09-10-1999	Prevue International Inc		

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				Art Unit	2424
				Examiner Name	F. E. Hossain
				Attorney Docket Number	UV/015 CON 3
Sheet	11	of	13		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	CA	Brugliera, Vito, "Digital On-Screen Display: A New Technology for the Consumer Interface" (June, 1993).		
	CB	DIRECTV Plus2 System, Thompson Consumer Electronics, Inc. (1999).		
	CC	DiRosa, S., "BIGSURF Netguide," July 1995, vol. 3.1 (Sections 18, 21, and 28 - renumbered as pages 1-27).		
	CD	Eitz, Gerhard, "Zukünftige Informations- Und Datenangebote Beim Digitalen Fernsehen - EPG Und "Lesezeichen", " Rundfunktechnische Mitteilungen, Vol. 41, pp. 67-72, June, 1997.		
	CE	Hobbes Internet Timeline, 3/22/07		
	CF	Instruction Manual <i>Using StarSight 2</i> , StarSight Telecast, Inc., 1994.		
	CG	Kai et al., Development of a Simulation System for Integrated Services Television, Report from Information Processing Society of Japan, Japan, September 13, 1996, Vol. 96, No. 90 p. 13-20.		
	CH	Keith Lynch's timeline of net related terms and concepts, 3/22/07		
	CI	Leftwich, Jim & Schein, Steve, <i>StarSight Interactive Television Program Guide, Phase III, Functional/Interactional Architecture</i> Specification Document, Orbit Interaction, Palo Alto, California.		
	CJ	Leftwich, Jim, Lai, Willy & Schein, Steve, <i>StarSight Interactive Television Program Guide, Phase IV, Functional/Interactional Architecture</i> Specification Document, Orbit Interaction, Palo Alto, California, published before April 19, 1995.		
Examiner Signature		Date Considered		

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	Attorney Docket Number	UW/015 CON 3		
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CK	LISTS> What's On Tonite TV Listings INTERNET ARTICLE, [Online], 28 January 1995, XP002378869 Retrieved from the Internet: URL: www.scout.wisc.edu/Projects/PastProjects/NH/95-01-31/0018.html [retrieved on 2006-04-28] "the whole document"...	
	CL	Little et al., ACM Multimedia 93 Proceedings, A Digital On-Demand Video Service Supporting Content-Based Queries, pp. 427-436, July 1993	
	CM	Neumann, Andreas, "WDR Online Aufbau Und Perspektiven Automatisierter Online-Dienste Im WDR," Rundfunktechnische Mitteilungen, Vol. 41, pp. 56-66, June, 1997.	
	CN	Periodical Funkschau, Volume 11/1994, pages 78-79: Dial M for Movie	
	CO	Periodical RFE, Vol. 9'95, page 100: Trend and Technology Open TV for Interactive Television	
	CP	Printout from Goggle News Archives, 3/22/07	
	CQ	Prodigy Launches Interactive TV Listing, April 22, 1994, Public Broadcasting Report.	
	CR	Rogers, C., "Telcos vs. Cable TV: The Global View," Sept. 1995, Report/Alternative Carriers, Data Communications, No. 13, New York, pp. 75, 76, 78, 80.	
	CS	Schauer, Tom: INTERNET ARTICLE, [Online] 28 September 1995 (1995-09-28), XP002378870. Retrieved from the Internet: URL: www.vision2020.moscow.com/Archives/1995/9509/0058.html [retrieved on 2006-04-28] "the whole document".	
	CT	Schmuckler, Eric, "A marriage that's made in cyberspace (television networks pursue links with online information services)," May 16, 1994, MEDIAWEEK, v4, n20, p22 (3).	

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	CU	TV Guide movie database Internet web pages printed on August 12, 1999 (9 pages).		
	CV	TV Guide Online Set For Fall, Entertainment Marketing Letter, August 1994.		
	CW	VideoGuide, Videoguide User's Manual, pp. 1-27.		
	CX	Wikipedia article on CompuServe, 3/22/07		
	CY	Wittig, H. et al., INTELLIGENT MEDIA AGENTS IN INTERACTIVE TELEVISION SYSTEMS PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON MULTIMEDIA COMPUTING AND SYSTEMS, LOS ALAMITOS, CA, US, 15 May 1995 (1995-05-15), - 18 May 1995, (1995-05-18) pages 182-189, XP00603484 page 183, left hand column, paragraph 2, page 184, right-hand column, paragraph 2 figure 4.		
	CZ	EP Search Report (EP 06 07 6553) dated October 24, 2006		
	CA1	International Search Report (PCT/US 97/22753) dated May 14, 1998		

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